

AMENDMENTS TO THE DRAWINGS

The attached sheets of drawings include changes to Figs. 2 and 6. These sheets replace the original sheets including Figs. 2 and 6.

In Fig. 2, the phrase “1 : INTRE” was changed to --1 : INTER--.

In Fig. 6, the “YES” and “NO” labels of a decision block were switched.

Attachments: Replacement Sheets
 Annotated Sheets

REMARKS

Applicants thank the Examiner for the thorough consideration given the present application. Claims 1-18 are pending in the present application. Claims 1-3, 6, and 8 have been amended. Claims 9-18 are new. Claims 1 and 8 are independent claims. The Examiner is respectfully requested to reconsider the outstanding rejections in view of the above amendments and the following remarks.

Drawings

It is gratefully acknowledged that the Examiner has approved the Formal Drawings submitted by the Applicants for examination purposes. However, attached herewith are drawing corrections to correct typographical errors in Figs. 2 and 6. Applicants submit that these drawing corrections do not add new matter to the present application. Approval of the corrected drawings is respectfully requested.

Rejection Under 35 U.S.C. § 102

Claims 1-8 stand rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,647,061 to Panusopone et al. (hereafter “Panusopone”). This rejection is respectfully traversed.

It is respectfully submitted that claims 1-8 are not anticipated by the prior art cited by the Examiner. MPEP § 2131 sets forth the following:

“A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference.” *Verdegaal Bros. V. Union Oil Co. Of California*, 814 F2d 628, 631, 2 USQP2d 1051, 1053 (Fed. Cir. 1987). “The identical invention must be shown in as complete detail as is contained in the ... claims.” *Richardson v. Suzuki Motor Co.*, 868 F2d 1226, 1236, 9 USQP2d 1913, 1920 (Fed. Cir. 1989).

It is respectfully submitted that Panusopone does not set forth each and every element as defined in the claims, thereby obviating the Examiner's rejection based on 35 U.S.C. § 102.

Specifically, independent claims 1 and 8 have been amended to recite more clearly the features of generating a *plurality of motion vector candidates* for each specified segment of a frame of the decoded video signal, and *selecting* for each of the specified segments a motion vector to be used in the second coding scheme *from among the generated motion vector candidates*. Applicants respectfully submit that Panusopone fails to teach or suggest these features.

In the rejection, the Examiner cites col. 14, lines 55-67 and col. 15, lines 1-42 of Panusopone to allegedly teach generating a motion vector candidate, and cites col. 19, lines 15-47 of Panusopone to allegedly teach deciding a motion vector from among the generated candidates. Applicants respectfully disagree.

Applicants submit that col. 14, line 55 - col. 15, line 42 of Panusopone merely set forth constraints imposed by MPEG-4 on each motion vector to be coded (see, particularly, col. 14, lines 59-60). This section does not teach or suggest that a plurality of motion vector candidates are generated for a specified segment of the frame, as claimed.

Further Applicants submit that col. 19, lines 15-47 of Panusopone merely discloses how a transcoder would generate a *single* MPEG-4 motion vector for each 8x8 block under different conditions (i.e., progressive or interlaced video). This passage also describes how to obtain the chroma motion vector by averaging the corresponding luma motion vectors. However, Applicants submit that nowhere in this passage does Panusopone teach or suggest *selecting* the MPEG-4 motion vector for a particular segment (8x8 block or otherwise) *from among multiple candidates* generated for that segment.

In view of the foregoing, Applicants respectfully submit that Panusopone fails to teach or suggest generating a plurality of motion vector candidates for each specified segment, and selecting a motion vector for each specified segment to be used in the second video coding

scheme from among the generated motion vector candidates, as claimed. Since Panusopone fails to teach or suggest every claimed feature, Applicants submit that claims 1-8 are in condition for allowance. Therefore, the Examiner is respectfully requested to reconsider and withdraw this rejection.

New Claims

It is respectfully submitted that new dependent claims 9-18 do not add any new matter to the present application.

Conclusion

Since the remaining patents cited by the Examiner have not been utilized to reject the claims, but to merely show the state of the art, no comment need be made with respect thereto.

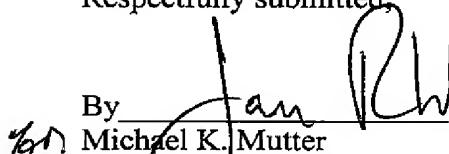
In view of the above remarks, the Examiner is respectfully requested to reconsider the outstanding rejections and issue a Notice of Allowance in the present application.

Should the Examiner believe that any outstanding matters remain in the present application, the Examiner is respectfully requested to contact Jason W. Rhodes (Reg. No. 47,305) at the telephone number of the undersigned to discuss the present application in an effort to expedite prosecution.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Dated: September 24, 2008

Respectfully submitted,

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Attachments